

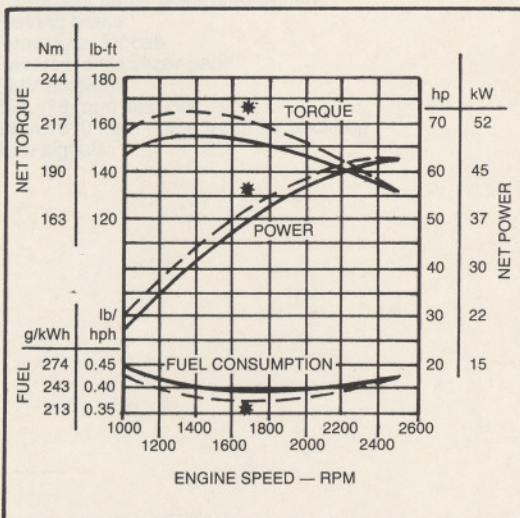


410B BACKHOE LOADER



Model shown may include options

ENGINE PERFORMANCE



* With optional turbocharger

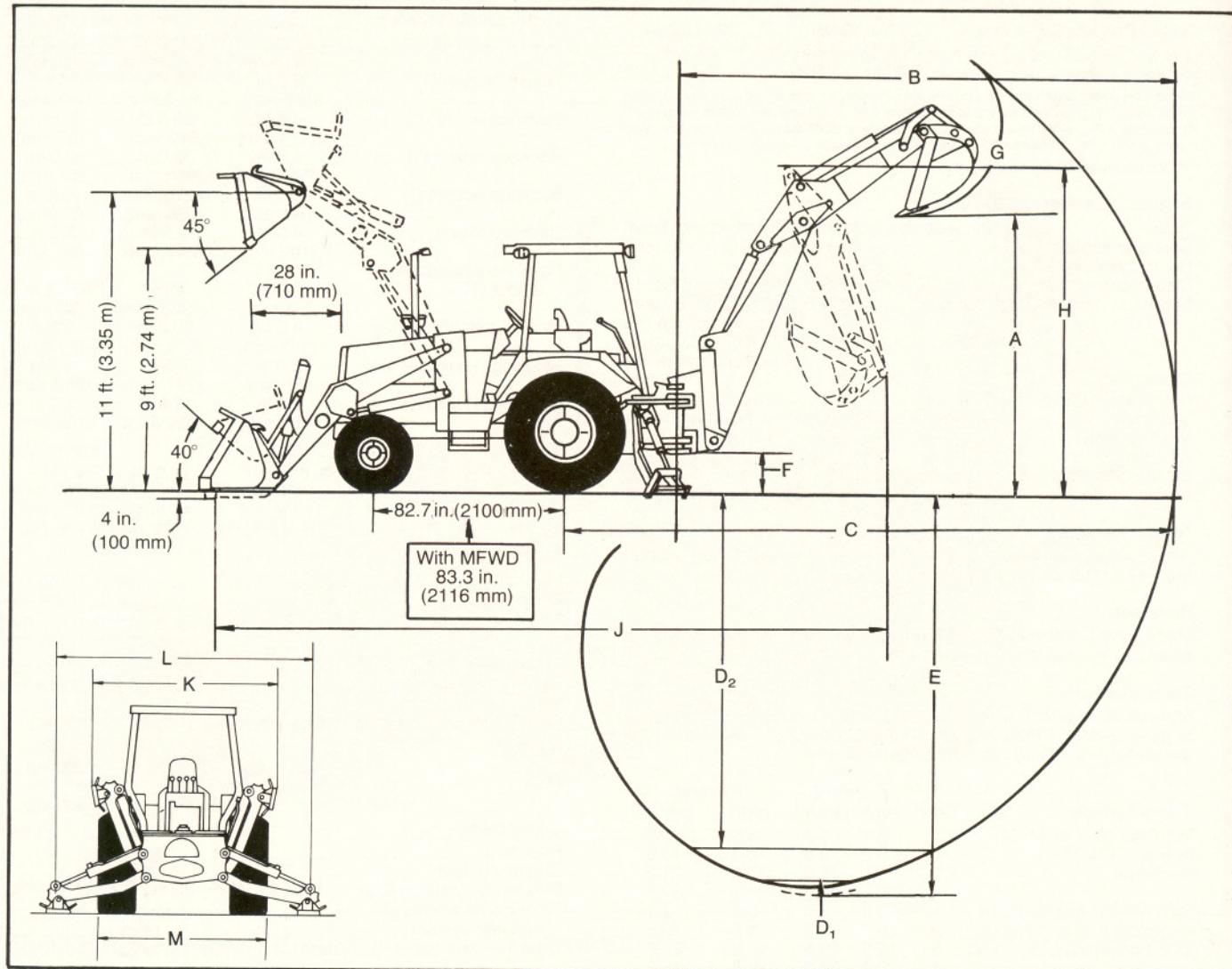
FEATURES

- 62 SAE net hp (46.2 kW)
- Backhoe digging depth (SAE) 14 ft. 6 in. (4.42 m)
- Unitized frame
- Isolated engine and operator's station
- Walk-in front entry
- Designed for quietness
- Closed-center hydraulic system
- Weight distributed for working stability
- Self-adjusting hydraulic wet-disk brakes
- Inboard planetary final drives
- Transaxle 1st and 2nd collar shift, 3rd and 4th synchronized
- Full-power-shift reverser
- Torque converter
- Single-lever loader control
- Two-lever backhoe control
- Two-lever stabilizer control
- Stabilizer lockouts—raise and lower
- Multi-adjustable swing-around seat w/high backrest and armrests
- Hydrostatic power steering
- Soundproofed cab w/integral ROPS/FOPS
- Vandal protection w/built-in locks

ADD VERSATILITY WITH:

- Mechanical front-wheel drive w/
Wet clutch—engage on the go
- Offset driveshaft for better
ground clearance
- Extendable dipperstick

410B BACKHOE LOADER SPECIFICATIONS AND DIMENSIONS



Key:

	Backhoe
A. Loading height, truck loading position	11 ft. 9 in. (3.59 m)
B. Reach from center of swing mast	17 ft. 7 in. (5.36 m)
C. Reach from center of rear axle	21 ft. 5 in. (6.53 m)
D. Digging depth (SAE):	
(1) 2-ft. (610 mm) flat bottom	14 ft. 5 in. (4.40 m)
(2) 8-ft. (2440 mm) flat bottom	13 ft. 3 in. (4.04 m)
E. Maximum digging depth	14 ft. 6 in. (4.42 m)
F. Ground clearance, minimum	12 in. (305 mm)
G. Bucket rotation	123, 127/155 degrees
H. Transport height	11 ft. 5 in. (3.48 m)
J. Overall length, transport	23 ft. (7.01 m)
K. Stabilizer width—transport	7 ft. 8 in. (2.34 m)
L. Stabilizer spread—operating	9 ft. 10 in. (3 m)
M. Overall width (less loader bucket)	80.7 in. (2050 mm)

Digging force, bucket cylinder

(power dig position)	10,200 lb. (45.4 kN) (4625 kg)
Digging force, crowd cylinder	6600 lb. (29.4 kN) (2995 kg)
Swing arc	180 degrees
Operator control	Two levers
Bucket positions	12 or 20 deg. rollback/ 6 deg. forward
Stabilizer angle rearward	13 degrees
Lifting capacity, maximum boom @65°	4200 lb. (1920 kg)

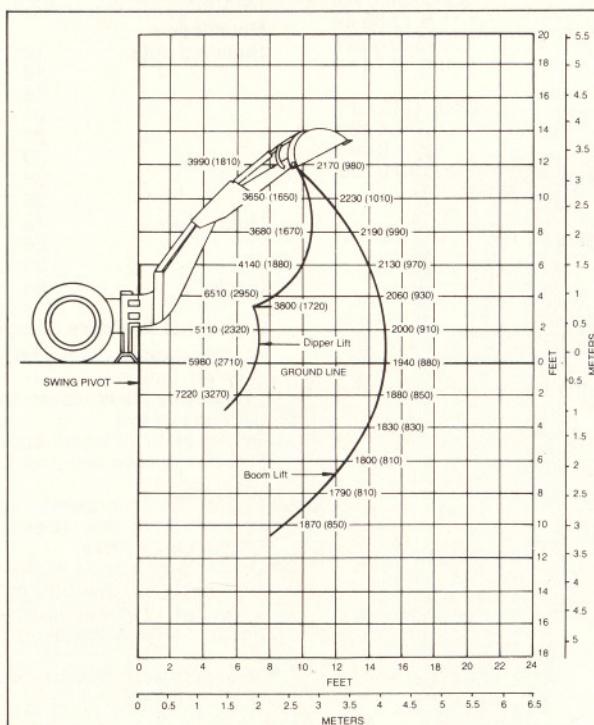
Extendable Dipperstick

Retracted	Extended
10 ft. 5 in. (3.17 m)	12 ft. 10 in. (3.91 m)
17 ft. 9 in. (5.41 m)	21 ft. 7 in. (6.58 m)
21 ft. 7 in. (6.58 m)	25 ft. 5 in. (7.75 m)
14 ft. 7 in. (4.44 m)	18 ft. 6 in. (5.64 m)
13 ft. 6 in. (4.12 m)	17 ft. 4 in. (5.28 m)
14 ft. 7 in. (4.44 m)	18 ft. 6 in. (5.64 m)
12 in. (305 mm)	12 in. (305 mm)
123, 127/155 degrees	123, 127/155 degrees
11 ft. 5 in. (3.48 m)	11 ft. 5 in. (3.48 m)
23 ft. (7.01 m)	23 ft. (7.01 m)
7 ft. 8 in. (2.34 m)	7 ft. 8 in. (2.34 m)
9 ft. 10 in. (3 m)	9 ft. 10 in. (3 m)
80.7 in. (2050 mm)	80.7 in. (2050 mm)
10,200 lb. (45.4 kN) (4625 kg)	10,200 lb. (45.4 kN) (4625 kg)
6360 lb. (28.3 kN) (2880 kg)	4360 lb. (19.4 kN) (1980 kg)
180 degrees	180 degrees
Right foot treadle	Right foot treadle
12 or 20 deg. rollback/ 6 deg. forward	12 or 20 deg. rollback/ 6 deg. forward
13 degrees	13 degrees
4050 lb. (1840 kg)	2440 lb. (1110 kg)

410B BACKHOE LOADER LIFTING CAPACITIES

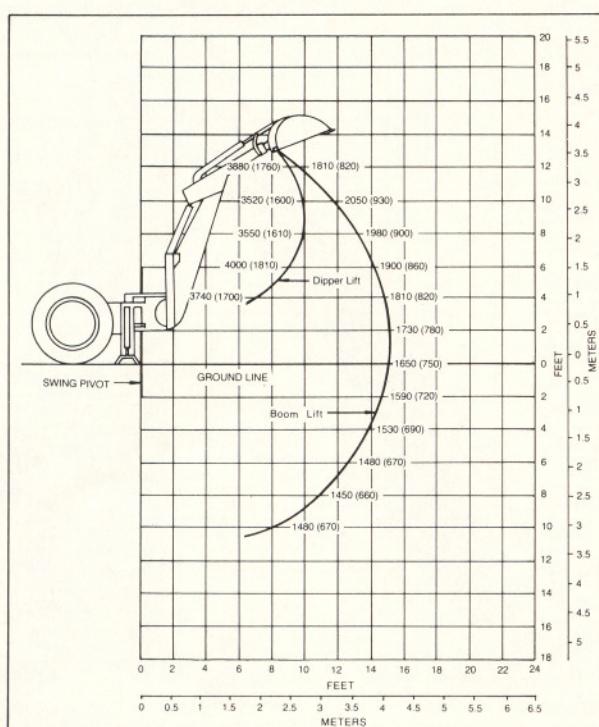
Lifting Capacities: Ratings made from bucket hinge pin, loader bucket and stabilizers on firm, level ground. Lifting capacities are 87 percent of the maximum lift over any point on the swing arc and do not exceed 75 percent of the tipping load. Angle between boom and ground at 65 degrees. Machine equipped with 24-in. (610 mm) trenching bucket, standard or optional dipperstick (as indicated below) and standard equipment.

Lift Capacity
Backhoe with standard dipperstick.
Based on SAE J31 (except w/loader bucket on ground*).



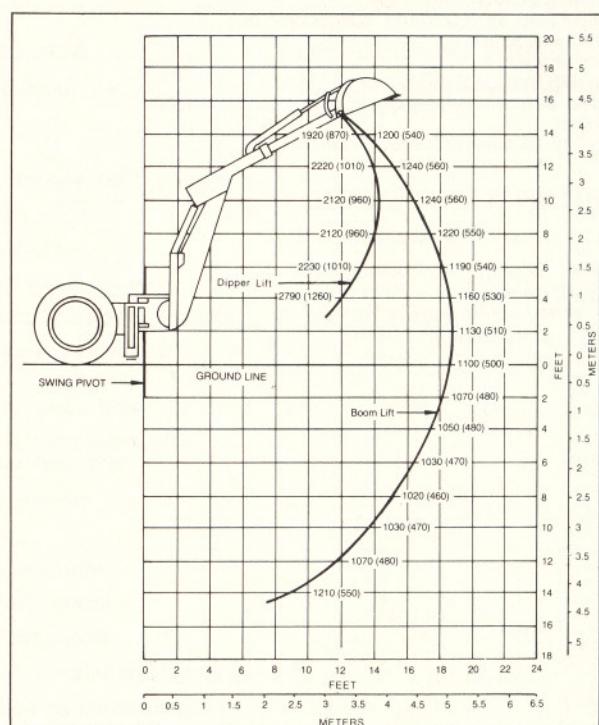
Rated lift capacities are in lb. (kg)
Lift capacities are hydraulically limited.

Lift Capacity
Backhoe with extendable dipperstick, retracted.
Based on SAE J31 (except w/loader bucket on ground*).



Rated lift capacities are in lb. (kg)
Lift capacities are hydraulically limited.

Lift Capacity
Backhoe with extendable dipperstick, extended.
Based on SAE J31 (except w/loader bucket on ground*).



Rated lift capacities are in lb. (kg)
Lift capacities are hydraulically limited.

*Loader bucket on ground significantly improves side stability, therefore improving lift capacity to the side. Lift capacity over the rear is not affected.

410B BACKHOE LOADER

LOADER:

Operator control	Single lever
Rollback at ground level	40 degrees
Breakout force	7800 lb. (34.7 kN) (3540 kg)
Digging depth below ground, bucket level	4 in. (100 mm)
Lifting capacity, full height	5300 (2400 kg)
Height to bucket hinge pin, max.	11 ft. (3.35 m)
Bucket dump angle, max.	45 degrees
Dump clearance, bucket @ 45 degrees	9 ft. (2.74 m)
Reach at full height, bucket @ 45 degrees	28 in. (710 mm)
Raising time to full height	4.4 sec.
Bucket dump time	1.0 sec.
Bucket lowering time (power down)	3.0 sec.

Optional or Special Equipment:

Altitude-compensating engine turbocharger
Automatic return-to-dig
Backup alarm
Cab pressurizer
Cab with:
51-amp alternator
Fabric-covered swivel seat, suspension or non-suspension
Front defroster fan
Front and rear wipers
Integral ROPS/FOPS
Standard heater — 19,000 Btu (5.6 kW)
Cold-weather starting aid, remote mounted
Deluxe heater w/fresh air intake — 40,000 Btu (11.7 kW)
Economy seat, vinyl covered, suspension or rigid mounted
Engine coolant heater
Extendable dipperstick for backhoe
Fire extinguisher
Front counterweight
Heavy-duty batteries
Instrument panel vandal cover
Mechanical front-wheel drive
Rear defroster fan
Rear-view mirror, inside mounted, curved, heavy-duty
Rear wheel spacers for tire chain clearance
Reversible stabilizer pads
Ripper tooth for backhoe, 24 in. (610 mm)
Rotating beacon light
Swivel seat, vinyl covered, suspension or non-suspension
SMV emblem
3-in. (76 mm) seat belt
Three- or four-lever, pedal-swing backhoe controls
Toolbox

BUCKETS

Loader:	Width In. (mm)	Struck Cu. Ft. (m ³)	Heaped Capacity Cu. Yd. (m ³)	
			General purpose	Long lip
General purpose	92 (2340)	2.6 (0.07)	1.0 (0.76)	1.25 (1.00)
Long lip	92 (2340)	2.6 (0.07)	1.25 (1.00)	1.25 (1.00)
Backhoe:				
Standard-duty	12 (305)	2.6 (0.07)	3.0 (0.08)	
	16 (406)	3.7 (0.10)	4.5 (0.13)	
	18 (457)	4.2 (0.12)	5.1 (0.14)	
	24 (610)	5.9 (0.17)	7.5 (0.21)	
	24 (610)	7.2 (0.20)	8.8 (0.25)	
	30 (762)	7.5 (0.21)	10.0 (0.28)	
	36 (914)	7.5 (0.21)	10.0 (0.28)	
	36 (914)	11.2 (0.32)	14.5 (0.41)	
Heavy-duty	18 (457)	4.2 (0.12)	5.1 (0.14)	
	24 (610)	5.9 (0.17)	7.5 (0.21)	
	30 (762)	7.5 (0.21)	10.0 (0.28)	
Ejector	24 (610)	4.6 (0.13)	5.7 (0.16)	

Additional Available Equipment:

Auxiliary bolt-on cutting edge for loader buckets
Auxiliary fuel tank
Auxiliary hydraulic valves and circuit for loader and backhoe
Backhoe lift eye
Bolt-on teeth for loader bucket
Front windshield and door kit
Grille guard
Lateral slides for operator's seat
Loader bucket chain hooks, outer
Longer dippersticks
Light materials/snow loader buckets
Multipurpose loader buckets
1 1/8 cu. yd. (1.01 m ³) bucket
Radio or radio cassette

*See your John Deere dealer for further information.

Extendable Dipperstick

